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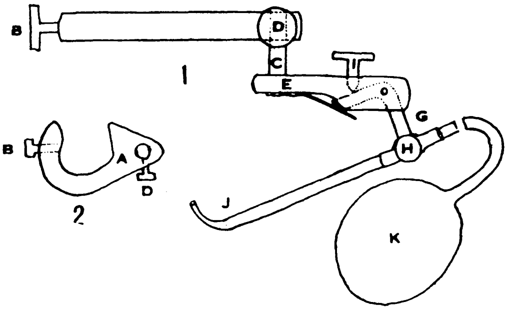
A MODIFIED BARBER PIPETTE

The writer has been much interested in the various modifications of the Barber pipette. One, which seems to be more simple than any hereto-fore described, has been in use in these laboratories since **1916**. It seems worth while to describe it. The device consists of a bar A (side view—figure 1, top view—figure 2) fashioned to fit partly around the objective and fastened to it by the thumb screw B. The rod C passes thru this bar and is held in position by the thumb-screw D. The bar E is fastened to the rod C by a screw which also passes thru the spring F. The part G is composed of a ring thru which a glass rod passes (the latter held in position by the thumb screw H) and an angular piece with pivots at the angle. There is a thumb screw I which controls the upward and downward movement of the point of the pipette J. The camera bulb K completes the apparatus. This device, minus the hollow tube and the camera bulb, was devised by the late Dr. J. J. Wolfe for use in the picking up of diatoms by adhesion. The hollow tube and camera bulb were added by the writer for picking up copepods. This device later became very useful in the segregation of living diatoms. A mechanical stage may be used with the pipette. Altho the laboratory possesses a real Barber pipette, this simpler apparatus is preferable when diatoms or larger organisms are to be segregated.



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